

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

WF2XXJ

(Call Sign)

XC FX MO

(Class of Station)

0312-EX-CR-2019

(File Number)

NAME Rappahannock Electric Cooperative

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(c) of the Commission's Rules

Station Locations

- (1) Criglersville (MADISON), VA - NL 38-25-34; WL 78-20-15; MOBILE: Criglersville, VA, within 40.23 km, centered around NL 38-25-34; WL 78-20-15
- (2) Bowling Green (CAROLINE), VA - NL 38-03-48; WL 77-21-19; MOBILE: Bowling Green, VA, within 40.23 km, centered around NL 38-03-48; WL 77-21-19
- (3) Culpeper (CULPEPER), VA - NL 38-26-30; WL 78-00-27; MOBILE: Culpeper, VA, within 40.23 km, centered around NL 38-26-30; WL 78-00-27
- (4) Tappahannock (ESSEX), VA - NL 37-53-32; WL 76-57-51; MOBILE: Tappahannock, VA, within 40.23 km, centered around NL 37-53-32; WL 76-57-51
- (5) Fredericksburg (SPOTSYLVANIA), VA - NL 38-15-47; WL 77-30-18; MOBILE: Fredericksburg, VA, within 40.23 km, centered around NL 38-15-47; WL 77-30-18
- (6) King William (KING WILLIAM), VA - NL 37-42-12; WL 77-03-16; MOBILE: King William, VA, within 40.23 km, centered around NL 37-42-12; WL 77-03-16
- (7) Louisa (LOUISA), VA - NL 37-55-20; WL 77-51-37; MOBILE: Louisa, VA, within 40.23 km, centered around NL 37-55-20; EL 77-51-37
- (8) Paytes (SPOTSYLVANIA), VA - NL 38-13-35; WL 77-50-05; MOBILE: Paytes, VA, within 40.23 km, centered around NL 38-13-35; WL 77-50-05
- (9) Dawn (CAROLINE), VA - NL 37-50-14; WL 77-21-45; MOBILE: Dawn, VA, within 40.23 km, centered around NL 37-50-14; WL 77-21-45
- (10) Glenora (SPOTSYLVANIA), VA - NL 38-05-27; WL 77-48-03; MOBILE: Glenora, VA, within 40.23 km, centered around NL 38-05-27; WL 77-48-03
- (11) Linden (WARREN), VA - NL 38-57-08; WL 78-01-43; MOBILE: Linden, VA, within 40.23 km, centered around NL 38-57-08; WL 78-01-43

This authorization effective September 01, 2019 and
will expire 3:00 A.M. EST September 01, 2021

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

Criglersville (MADISON), VA - NL 38-25-34; WL 78-20-15; MOBILE: Criglersville, VA, within 40.23 km, centered around NL 38

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	
174-216 MHz	MO	500KA7D	24.39 W (ERP)	
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

Bowling Green (CAROLINE), VA - NL 38-03-48; WL 77-21-19; MOBILE: Bowling Green, VA, within 40.23 km, centered around

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	
174-216 MHz	MO	500KA7D	24.39 W (ERP)	
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

Culpeper (CULPEPER), VA - NL 38-26-30; WL 78-00-27; MOBILE: Culpeper, VA, within 40.23 km, centered around NL 38-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	

Frequency Information

Culpeper (CULPEPER), VA - NL 38-26-30; WL 78-00-27; MOBILE: Culpeper, VA, within 40.23 km, centered around NL 38-26

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	MO	500KA7D	24.39 W (ERP)	
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

Tappahannock (ESSEX), VA - NL 37-53-32; WL 76-57-51; MOBILE: Tappahannock, VA, within 40.23 km, centered around NL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	
174-216 MHz	MO	500KA7D	24.39 W (ERP)	
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

Fredericksburg (SPOTSYLVANIA), VA - NL 38-15-47; WL 77-30-18; MOBILE: Fredericksburg, VA, within 40.23 km, centered

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	
174-216 MHz	MO	500KA7D	24.39 W (ERP)	

Frequency Information

Fredericksburg (SPOTSYLVANIA), VA - NL 38-15-47; WL 77-30-18; MOBILE: Fredericksburg, VA, within 40.23 km, centered around NL 38-15-47

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

King William (KING WILLIAM), VA - NL 37-42-12; WL 77-03-16; MOBILE: King William, VA, within 40.23 km, centered around NL 37-42-12

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	
174-216 MHz	MO	500KA7D	24.39 W (ERP)	
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

Louisa (LOUISA), VA - NL 37-55-20; WL 77-51-37; MOBILE: Louisa, VA, within 40.23 km, centered around NL 37-55-20; EL 7

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	
174-216 MHz	MO	500KA7D	24.39 W (ERP)	
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

Frequency Information

Paytes (SPOTSYLVANIA), VA - NL 38-13-35; WL 77-50-05; MOBILE: Paytes, VA, within 40.23 km, centered around NL 38-13

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	
174-216 MHz	MO	500KA7D	24.39 W (ERP)	
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

Dawn (CAROLINE), VA - NL 37-50-14; WL 77-21-45; MOBILE: Dawn, VA, within 40.23 km, centered around NL 37-50-14; WL

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	
174-216 MHz	MO	500KA7D	24.39 W (ERP)	
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

Glenora (SPOTSYLVANIA), VA - NL 38-05-27; WL 77-48-03; MOBILE: Glenora, VA, within 40.23 km, centered around NL 38-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	

Frequency Information

Glenora (SPOTSYLVANIA), VA - NL 38-05-27; WL 77-48-03; MOBILE: Glenora, VA, within 40.23 km, centered around NL 38-

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	MO	500KA7D	24.39 W (ERP)	
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

Linden (WARREN), VA - NL 38-57-08; WL 78-01-43; MOBILE: Linden, VA, within 40.23 km, centered around NL 38-57-08; W

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
174-216 MHz	FX	500KA7D	12.224 W (ERP)	
174-216 MHz	MO	500KA7D	24.39 W (ERP)	
174-216 MHz	MO	500KA7D	4.866 W (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.
- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Operation is subject to prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinator. Consult the list at https://www.sbe.org/sections/freq_local.php to find the appropriate coordinator.
- (4) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.

Special Conditions:

- (5) This authorization is issued for the express purpose of conducting experimental operations described in the related application and required by the U.S. Government contract number DE-OE0000295REC. The use of this radio station in any other manner or for any other purpose will constitute a violation of the privileges herein authorized. Except as subsequently authorized by the Commission, this radio station shall not be operated after the expiration date of the contract designated in the related application and enumerated above.
- (6) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Gary Schwartz at (540) 891-5841 or Mr. Dennis Buchanan at (540) 891-5843.
- (7) All operations subject to daily check with one of the FCC's authorized Database Administrators (DBA) to ensure the availability of the requested channels as indicated on the license. For a listing of FCC approved DBAs see, <http://www.fcc.gov/encyclopedia/white-space-database-administrators-guide>